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2   **CLAIMS**

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4   1.   An apparatus comprising:

5   at least one processor;

6   a memory coupled to the processor, wherein the memory stores non-object

7   oriented data; and

8   a mapping software residing in memory, wherein the processor executes the

9   mapping software to map an object onto the non-objected oriented data located in the memory

10   without requiring any substantial memory in addition to a portion of the memory storing the non-

11   object oriented data.

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13   2.   The apparatus of claim 1 wherein the data is mapped with zero size memory.

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15   3.   The apparatus of claim 1 wherein the non-object oriented data is stored within a

16   legacy data structure.

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18   4.   A method for retrieving non-object oriented data from within an object oriented

19   model, the method comprising the steps of:

20   loading memory with non-object oriented data;

21   mapping an object oriented model onto a memory space occupied by the non-

22   object oriented data without requiring substantial additional memory space; and

23   retrieving a non-object oriented data element from the memory in the object

24   oriented model.

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26   5.   The method of claim 4 wherein the step of mapping further comprising:

27   inheriting the non-object oriented data from memory.

1   6.   The method of claim 5 wherein the step of mapping further comprising:

2   creating a class from the non-object oriented data.

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4   7.   The method of claim 6 wherein the step of mapping further comprising:

5   instantiating an instance of the class.

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7   8.   The method of claim 7 wherein the step of instantiating occurs through static casting.

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9   9.   The method of claim 4 wherein the step of mapping further comprising:

10   accessing the non-object oriented data using a object oriented model.

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12   10.   The method of claim 4 wherein the step of retrieving occurs with zero size memory.

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14   11.   The method of claim 4 wherein the non-object oriented data are stored within a

15 legacy data structure.

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17   12.   A method for retrieving non-object oriented data from within an object oriented

18 model, the method comprising the steps of:

19   loading memory with non-object oriented data;

20   mapping an object oriented model onto a memory space occupied by the non-

21 object oriented data located in the memory without requiring any substantial memory in addition to a

22 portion of the memory storing the non-object oriented data;

23   retrieving a non-object oriented data element from the memory in the object

24 oriented model.

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26   13.   The method of claim 12 wherein the step of mapping further comprising:

27   inheriting the non-object oriented data from memory.

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2   14.   The method of claim 13 wherein the step of mapping further comprising:

3   creating a class from the non-object oriented data.

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5   15.   The method of claim 14 wherein the step of mapping further comprising:

6   instantiating an instance of the class.

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8   16.   The method of claim 15 wherein the step of instantiating occurs through static

9   casting.

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11   17.   The method of claim 12 wherein the step of mapping further comprising:

12   accessing the non-object oriented data using a object oriented model.

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14   18.   The method of claim 12 wherein the step of retrieving occurs with zero size

15   memory.

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17   19.   The method of claim 12 wherein the non-object oriented data are stored within a

18   legacy data structure.

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